

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-11 (canceled).

12 (currently amended). A method for manufacturing a current collector combined with one of an anode foil or a cathode foil, comprising:

applying a coating to a closed metal foil, wherein the coating contains at least one of silver, graphite, a carbon material other than graphite, a carbon material together with a binder that improves adhesiveness, an organic polymer, which is graphitized after being applied to the metal, an inorganic-organic polymer, which is graphitized after being applied to the metal, or an electrically conductive organic polymer is a coating that improves at least one of adhesiveness of the expanded metal to an electrode material and electron conductivity on a surface;

converting the closed metal foil into expanded metal only after applying the coating; and

connecting the coated expanded metal foil to one of said anode foil and said cathode foil.

13 (previously presented). The method of claim 12, further comprising laminating together the current collector and one of said anode foil and said cathode foil.

14 (previously presented). The method of claim 12, wherein at least one said anode foil and cathode foil is prepared without using a plasticizing agent.

15 (previously presented). A method for manufacturing an electrochemical cell, comprising:
applying a coating to a closed metal foil, the coating improving at least one of adhesiveness and electron conductivity;

converting the closed metal foil into expanded metal only after applying the coating, thereby providing a current collector; laminating the expanded metal with an anode foil; applying a coating to an additional closed metal foil, the coating improving at least one of adhesiveness and electron conductivity; converting the additional closed metal foil into expanded metal only after applying the coating, thereby providing an additional current collector; laminating the expanded metal from the additional closed metal foil with a cathode foil; and providing a separator foil and laminating together the current collector with the anode foil, the separator foil and the current collector with the cathode foil.

16 (previously presented).The method of claim 15, wherein the electrochemical cell is configured as a lithium battery.

17 (previously presented).The method of claim 16, wherein at least one of said anode foil and said cathode foil is prepared without using a plasticizing agent.